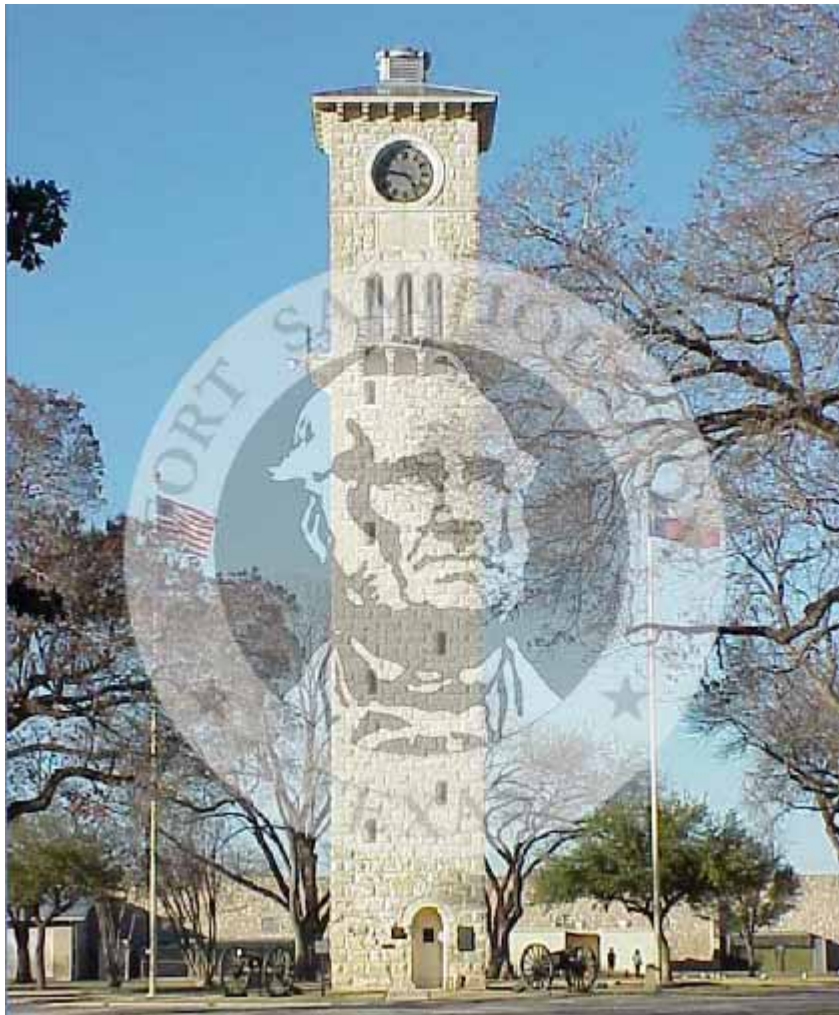


FY05 as of **July 2004**

Fort Sam Houston

Installation Action Plan



30% post-consumer material paper



FY05 as of July 2004

**Fort Sam Houston
Installation Action Plan**

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Statement of Purpose

The purpose of the Installation Action Plan is to outline the total multi-year restoration program for an installation. The plan will define Installation Restoration Program requirements and propose a comprehensive approach and associated costs to conduct future investigations and remedial actions at each Installation Restoration Program site at the installation.

In an effort to coordinate planning information between the Installation Restoration Program manager, major Army commands, installations, executing agencies, regulatory agencies, and the public, an Installation Action Plan has been completed for Fort Sam Houston. The Installation Action Plan is used to track requirements, schedules, and budgets for all major Army installation restoration programs.

All site-specific funding and schedule information has been prepared according to projected overall Army funding levels and is therefore subject to change. Ft Sam Houston is expected to be RIP in FY05.

The following agencies contributed to the formulation and completion of this Installation Action Plan:

Engineering & Environment, Inc.

Fort Sam Houston/Camp Bullis

IMA-SWRO

MWH

Shaw Environmental

TCED

TCEQ

USACE

USACE- Tulsa

Weston Solutions

Acronyms & Abbreviations

AEDB-R	Army Environmental Database- Restoration
APAR	Affected Property Assessment Report
BAMC	Brooke Army Medical Center
CTC	Cost-to-Complete
DERA	Defense Environmental Restoration Act
DPW	Directorate of Public Works
DSERTS	Defense Site Environmental Restoration Tracking System (now AEDB-R)
EOD	Explosive Ordnance Disposal
EPA	Environmental Protection Agency
ER,A	Environmental Restoration, Army
FS	Feasibility Study
FTSH	Fort Sam Houston
FY	Fiscal Year
HW	Hazardous Waste
IAP	Installation Action Plan
IOC	Industrial Operations Command
IRA	Interim Remedial Action
IRP	Installation Restoration Program
LTM	Long-term Monitoring
MCL	Maximum Contaminate Level
MEDCOM	U.S. Army Medical Command
NPL	National Priorities List
NE	Not Evaluated
NFA	No Further Action
NPDES	National Pollution Discharge Elimination System
POL	Petroleum, Oil and Lubricants
PA	Preliminary Assessment
PCB	Polychlorinated Biphenyls
PST	Petroleum Storage Tank
RA	Remedial Action
RA (C)	Remedial Action – Construction
RA (O)	Remedial Action – Operation
RAB	Restoration Advisory Board
RC	Response Complete
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design
REM	Removal
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
RI	Remedial Investigation
RRS	Risk Reduction Standard
RRSE	Relative Risk Site Evaluation
SAS	Satellite Accumulation Site
SI	Site Inspection
SWMU	Solid Waste Management Unit
SVOCs	Semi Volatile Organics
TCE	Trichloroethylene
TCEQ	Texas Commission on Environmental Quality (formerly TNRCC)
TPH	Total Petroleum Hydrocarbons
TNRCC	Texas Natural Resource Conservation Commission (now TCEQ)

Acronyms & Abbreviations

TRRP
USACHPPM
USAEHA
VOCs

Texas Risk Reduction Program
United States Army Center for Health Promotion and Preventive Medicine
United States Army Environmental Hygiene Agency
Volatile Organic Compounds

STATUS:	Non-National Priorities List (NPL). RCRA Part A permit, 1980. RCRA Part A permit terminated by TDH letter dated February 3, 1984.		
# OF AEDB-R SITES:	26 sites 3 Active ER,A Eligible Site 6 Response Complete ER,A Eligible Site 17 Response Complete Non-ER,A Eligible Sites 26 Munition Rule Sites		
# OF POTENTIAL CLEANUP SITES	5 Potential AEDB-R sites: Pershing Field, Hazardous Waste Storage Area, Fire Training Area, Acid Tank Site, and Former Medical Waste Incinerator		
DIFFERENT SITE TYPES:	7 Contaminated Buildings 1 Building Demo/ Debris Removal 4 Maintenance Yards 5 Underground Storage Tanks 2 Unexploded Munitions/Ordnance	1 Contaminated Soil Pile 3 Landfills 1 Pistol Range 2 Radioactive Waste Area	
CONTAMINANTS OF CONCERN:	Metals, SVOCs, VOCs, PCBs, POL, Pesticides, Chemical Agents, Medical Waste, Radioactive Materials, Explosives		
MEDIA OF CONCERN:	Soil, Surface Water, Groundwater		
COMPLETED REM/IRA/RA:	RA at 11 sites: FTSH-06, 14, 15, 19, 20, 21, 22, 23, FTSH-13, Pershing Firing Range and FTSH-26, Landfills, Landfill 10 and 12		
CURRENT IRP PHASES:	RI at 1 site	RA at 1 site	
PROJECTED IRP PHASES:	LTM at 3 sites		
IDENTIFIED POSSIBLE REM/IRA/RA:	RA at FTSH-30 in FY05		
DURATION:	Year of IRP Inception:	1987	
	Year of IRP Completion excluding LTM/LTO:	2005	
	Year of IRP Completion including LTM/LTO:	2016	

Installation Information

SITE DESCRIPTION:	Fort Sam Houston (FSH) is located on 3,265 acres of land in Bexar County, Texas. It is situated entirely within the city limits of San Antonio, Texas (metropolitan population 1,300,000 plus), approximately 2.5 miles northeast of the downtown area. The installation is bordered by Rittiman Road on the northern boundary, the Missouri, Kansas and Texas Railroad on the east, Interstate Highway 35 on the south, and Austin Road and Harry Wurzbach Road on the west.
IRP EXECUTING AGENCIES:	Investigation Phase Executing Agency: U.S. Army Garrison, Fort Sam Houston, Texas Remedial Design/Action Phase Executing Agency: U.S. Army Corps of Engineers, Tulsa District
REGULATORY PARTICIPATION:	Federal: U.S. Environmental Protection Agency, Region VI State: Texas Commission on Environmental Quality (TCEQ)
REGULATORY STATUS:	<ul style="list-style-type: none">- Non-NPL- No Further Remedial Action is planned under Superfund, EPA Letter dated June 16, 1999- RCRA Hazardous Waste Part A Permit, November 1980 – Termination letter received from the TDH on February 3, 1984- Notice of Violations (NOV) – 5- Notice of Deficiency (NOD) – 1- Interagency Agreements – None- Federal Facility Agreements – None
MAJOR CHANGES TO IAP FROM PREVIOUS YEAR:	None

Installation Description

LOCATION:	Fort Sam Houston (FSH) is located on 3,265 acres of land in Bexar County, Texas. It is situated entirely within the city limits of San Antonio, Texas (metropolitan population 1,300,000 plus), approximately 2.5 miles northeast of the downtown area. The installation is bordered by Rittiman Road on the northern boundary, the Missouri, Kansas and Texas Railroad on the east, Interstate Highway 35 on the south, and Austin Road and Harry Wurzbach Road on the west.
HISTORY:	<p>Fort Sam Houston (FSH) is an active U.S. Army facility and is not on any proposed closure list. The U.S. Army first came to San Antonio in 1845, occupying rented facilities for military activities. The present installation began in 1870-1875 with the donation of 92 acres of land by the City of San Antonio. Over the years, additional land was acquired to accommodate the expansion of activities on the post. In 1890, the post was designated Fort Sam Houston.</p> <p>FSH is rich in its contributions to the history of the City of San Antonio, the State of Texas and the U.S. Army. FSH has hosted several people of note, including Apache Chief Geronimo, Theodore Roosevelt and General "Blackjack" Pershing. FSH was also the home of the first Aero Squadron (from which the U.S. Air Force was born) and provided the first training for the development of airborne infantry. Because of these achievements, several properties on the post have been protected through the designation of a National Historic Landmark District.</p>
MISSION:	Since Fort Sam Houston's founding, it has performed five basic missions: headquarters, logistical base, garrison, mobilization and medical support. Presently, FSH serves as an administrative instructional/training and medical center. FSH provides support for six major assigned/attached tenant units, including U.S. Army Medical Command (MEDCOM), U.S. Army Medical Department Center and School (AMEDDC&S), Brooke Army Medical Center (BAMC), U.S. Army Fifth Recruiting Brigade (SW) Regional, Southern Command and Headquarters, Fifth U.S. Army. FSH also has a sub-installation, Camp Bullis, under its command. Camp Bullis is used as a training facility and is located northwest of FSH. FSH supports more than a dozen other smaller services and agencies. Because FSH has provided a variety of missions over the years, it has not seen periods of inactivity.

Contamination Assessment

Three IRP sites are active (FTSH-26, 29, 30), that included Landfills 2, 3, 4A, 4B, 5, 6, 7, 8A, 8B, 10 and 12.

Previous Studies

	Title	Author	Date
1	Installation Assessment of For Sam Houston, Texas and Subinstallations	Environmental Science & Engineering, Inc	Feb-82
2	Hydrogeologic Study	AEHA	1985
3	Site Assessment Report, UST Area - Building 330	Geo-Marine, Inc.	Nov-89
4	Confirmation Study at the Pesticide Storage Building (Building 1134)	O'Brien & Gere Engineers, Inc.	Aug-90
5	Site Assessment at Transportation Motor Pool	Engineering-Science, Inc	Jun-91
6	Draft Report Environmental Site Survey Building 1874	Engineering-Science, Inc	Dec-92
7	Contamination Assessment Study, Soil Remediation Facility Site - Building 3824	Engineering-Science, Inc	Dec-92
8	Oil and Hazardous Substances Emergency Contingency Plan		Feb-94
9	Oil/Grease Trap Site Sampling and Evaluation Report	Engineering-Science, Inc	Jun-94
10	Assessment of Storage Pad for Polychlorinated Biphenyls Building 1171	EA Engineering, Science, and Technology	May-95
11	Assessment for Mercury at Water Treatment Plant Building 2194	EA Engineering, Science, and Technology	May-95
12	Building 4226 Evaluation	EA Engineering, Science, and Technology	Jun-95
13	Preliminary Assessment Screening Medical Incinerator	EA Engineering, Science, and Technology	Jun-95
14	Fort Sam Houston and Camp Bullis Landfill Assessment Report	EA Engineering, Science, and Technology	Jun-95
15	Preliminary Assessment Screening 2500 Block Environmental Compliance Support Project	EA Engineering, Science, and Technology	Jun-95
16	Assessment of Oil/Water Separator Needs at Ft Sam Houston PQL Sites	EA Engineering, Science, and Technology	Jun-95
17	Pollution Prevention Plan	Mariah Associates, Inc.	Dec-95
18	Work Plan for Groundwater Monitoring at Fort Sam Houston	Earth Technology, Inc	May-96
19	Preliminary Assessment Screening Report for Pershing Firing Range	TRC Mariah Associates Inc.	Aug-96
20		R. F. Weston	Sep-98
21	Final Site Specific Field Sampling and Analysis Plan, Pershing Firing Range Remediation	IT/OHM Remediation Service Corporation	Dec-98
22	Final, Remedial Action Work Plan, Pershing Firing Range Remediation	IT/OHM Remediation Service Corporation	May-99
23	Closure of <90 Day Hazardous Waste Site Assessment Closure Site Investigation Report	R. F. Weston	Aug-99
24	Final Remedial Action Report for Soil Removal at Pershing Firing Range	IT/OHM Remediation Service Corporation	Nov-99
25	Field Summary Report Landfill 10 Remediation	IT/OHM Remediation Service Corporation	May-00
26	Field Summary Report Landfill 12 Remediation	IT/OHM Remediation Service Corporation	May-00
27	Draft Affected Property Assessment Report Landfill 8B (EOD Area)	IT/OHM Remediation Service Corporation	Dec-00
28	Exploratory Investigations Final Summary Report Landfills 2, 3, 4A, 4B, 5, 6, 7, and 8A	IT/OHM Remediation Service Corporation	Dec-00
29	Additional Confirmation Sampling Report Addendum to Remedial Action Report Soil Removal Pershing Firing Range Remediation	IT/OHM Remediation Service Corporation	Feb-01

Previous Studies

	Title	Author	Date
30	Final Affected Property Assessment Report Landfill 12	IT/OHM Remediation Service Corporation	Sep-01
31	Final Affected Property Assessment Report Landfill 10	IT/OHM Remediation Service Corporation	Oct-01
32	Draft Self-Implementation Notice and Draft Field Summary Report Addendum for Landfill 12	IT/OHM Remediation Service Corporation	Oct-01
33	Draft Self-Implementation Notice and Draft Field Summary Report Addendum for Landfill 10	IT/OHM Remediation Service Corporation	Oct-01

Fort Sam Houston

ER,A ACTIVE SITES

FTSH-26 (PAGE 1 OF 5) LANDFILLS 8A, 8B, 10, 12

SITE DESCRIPTION

This site is comprised of 4 individual landfills that are located throughout the eastern to the east-central portion of FSH. They include Landfills #8A, 8B, 10, and 12. These landfills were once used for disposal of unknown waste, as well as domestic waste, construction debris, and organic debris.

See following pages for individual landfill site descriptions.

PROPOSED PLAN

The proposed plan is to complete investigations at Landfill 8A, complete reports and abandon monitoring wells at Landfills 10 and 12, and perform long-term monitoring at Landfill 8B.

See following pages for site description of individual landfills.

STATUS

RRSE RATING:

Medium

CONTAMINANTS OF CONCERN:

Metals, SVOCs, UXO

MEDIA OF CONCERN:

Soil, Groundwater, Surface Water

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RI/FS

FUTURE IRP PHASE:

RI/FS, LTM

SITE DESCRIPTION

Landfill 8A is located within the eastern portion of FTSH and is currently designated under FTSH-26 in AEDB-R. This landfill is currently located beneath the north end of the new BAMC parking lot. It is estimated to be 6.5 acres in size. This cover and compact landfill is reported to have received construction debris into the 1970s.

A landfill assessment was performed in 1994 and 1995 that included surface and subsurface soil sampling, and monitoring well installation. Metals were detected in surface soil samples at concentrations above maximum background. Subsequently, groundwater sampling was performed which revealed metals above the MCL. Background concentrations have not been established.

In June 2000, 12 soil borings were installed to provide sufficient data to define the approximate limits of the landfill and to determine the characteristics of the waste.

On January 25, 2001, FSH received a TNRCC response letter recommending further investigation and reporting. Only one of 12 borings drilled found measurable quantities of groundwater.

STATUS

RRSE RATING:

Medium

CONTAMINANTS OF CONCERN:

Metals

MEDIA OF CONCERN:

Soil

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RI

FUTURE IRP PHASE:

RC

PROPOSED PLAN

A request for closure will be submitted; no further action is expected. TCEQ verbally agreed that NFA was acceptable in a Feb 2004 meeting.

Existing wells will be abandoned.

SITE DESCRIPTION

Landfill 8B is located within the eastern portion of FTSH and is currently designated under FTSH-26 in AEDB-R. This landfill is also known as the EOD area at the Pershing Firing Range (FTSH-13) and is located due east of the former firing range. This landfill is approximately 4 acres in size. This cover and compact landfill is reported to have received construction debris, and potentially exploded and unexploded ordnance during the 1970s.

A landfill assessment was performed in 1994 and 1995 that included subsurface soil sampling and monitoring well installation. Metals were detected at concentrations above maximum background. Subsequently, groundwater sampling was performed which revealed metals above the MCL. Background concentrations have not been established.

In 1996, a preliminary assessment screening was performed at this site and identified that SVOCs and metal concentrations in the soil were above protective concentration levels. In 1999, a UXO and geophysical survey was performed which identified potentially explosive debris.

Site characterization fieldwork by way of exploratory trenching was completed in June 2000 and an Affected property assessment report was submitted in December 2000, recommending a future RA (removal). Further evaluation, however, is expected to show that the site does not pose a significant environmental risk. This, coupled with the potential UXO hazard, has led to a reassessment of the need for any removal.

PROPOSED PLAN

Perform a background study for metals in groundwater. Submit a closure report. Long-term monitoring is expected.

STATUS

RRSE RATING:

Medium

CONTAMINANTS OF CONCERN:

Metals, SVOCs, UXO

MEDIA OF CONCERN:

Soil, Groundwater, Surface Water

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RI/FS

FUTURE IRP PHASE:

LTM

SITE DESCRIPTION

Landfill 10 is located within the northeastern portion of FTSH and is currently designated under FTSH-26 in AEDB-R. This landfill was located east-southeast of the national cemetery. This landfill was approximately 10 acres in size. This covered, surface-dump landfill contained construction and cemetery debris. It is unknown as to when this surface dump was in use.

A landfill assessment was performed in 1994 and 1995 that included subsurface soil sampling and monitoring well installation. Metals were detected in at concentrations above maximum background. Subsequently, groundwater sampling was performed which revealed metals above the MCL. Background concentrations have not been established.

A removal action was performed between November of 1999 and February 2000. The final report was submitted to the TCEQ in October 2000.

TCEQ review comments to the field summary report were sent to FSH on January 11, 2001, requiring additional investigation and reporting. Confirmation sampling was performed in May 2001. An APAR recommending NFA was prepared and submitted to TCEQ on November 5, 2001. This report is under TCEQ review.

STATUS

RRSE RATING:

Medium

CONTAMINANTS OF CONCERN:

Metals

MEDIA OF CONCERN:

Soil, Groundwater, Surface Water

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

None

FUTURE IRP PHASE:

LTM

PROPOSED PLAN

The proposed plan is to abandon monitoring wells after acceptance of APAR by TCEQ.

SITE DESCRIPTION

Landfill 12 located within the northeastern portion of FTSH and is currently designated under FTSH-26 in AEDB-R. This landfill is approximately 1 acre in size. This landfill is reported to be an area fill with no control and received construction debris and domestic refuse. It is believed that this area was used during the 1950s.

A landfill assessment was performed in 1994 and 1995 that included soil gas and geophysical surveys, surface soil sampling and monitoring well installation and sampling. Minimal concentrations of metals were detected at above maximum background. Subsequently, groundwater sampling was performed, which revealed metals above the MCL. Background concentrations have not been established.

A removal action was performed between February and March 2000. The final report was submitted to the TCEQ in October 2000.

TCEQ review comments to the Field Summary Report were sent to FSH on January 10, 2001, requiring additional information to be submitted. An APAR recommending NFA was prepared and submitted to TCEQ on November 5, 2001. The TCEQ did not agree with the classification of the aquifer as a class 3 groundwater source and therefore did not approve the APAR. The APAR is being revised with the aquifer classified as a class 2 groundwater source.

PROPOSED PLAN

The proposed plan is to abandon monitoring wells after TCEQ acceptance of APAR.

STATUS

RRSE RATING:

Medium

CONTAMINANTS OF CONCERN:

Metals

MEDIA OF CONCERN:

Soil, Groundwater, Surface Water

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

None

FUTURE IRP PHASE:

LTM

FTSH-29 (PAGE 1 OF 4) LANDFILLS 4A, 6 AND 7

SITE DESCRIPTION

This site is comprised of 3 individual landfills that are located throughout the eastern to the east-central portion of FSH. They include Landfills #4A, 6, and 7. These landfills were once used for disposal of unknown waste, as well as domestic waste, construction debris, medical waste, and organic debris.

See following pages for individual landfill site descriptions.

PROPOSED PLAN

See following pages for site description of individual landfills.

STATUS

RRSE RATING:

Medium

CONTAMINANTS OF CONCERN:

Metals, SVOCs

MEDIA OF CONCERN:

Soil, Groundwater, Surface Water

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RI

FUTURE IRP PHASE:

RI/FS, LTM

SITE DESCRIPTION

Landfill 4A is located within the east central portion of FTSH. The AEDB-R designation changed from FTSH-26 to FTSH-29. This landfill is located north and west of Salado Creek which also separates it from Landfill 4B. It is approximately 14 acres in size. This area-fill landfill is reported to have received construction debris from 1960 to until approximately 1975.

A landfill assessment was performed in 1994 and 1995 that included geophysical and soil gas surveys, surface and subsurface soil sampling, and monitoring well installation. Metals and SVOCs were detected in surface soil samples at concentrations above maximum background. Subsequently, groundwater sampling was performed, which revealed metals above the MCL. Background concentrations have not been established.

Exploratory trenching was completed in June 2000 for remedial design purposes. In August 2000, surface debris and erosion control measures were taken.

STATUS

RRSE RATING:

Medium

CONTAMINANTS OF CONCERN:

Metals, SVOCs

MEDIA OF CONCERN:

Soil, Surface Water

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RI

FUTURE IRP PHASE:

RI/FS, LTM

PROPOSED PLAN

Additional surface water and sediment samples will be taken. No further action is expected to be required under ER,A. Any remedial actions are expected to be funded from other sources.

SITE DESCRIPTION

Landfill 6 is located within the south-eastern portion of FTSH. The AEDB-R designation changed from FTSH-26 to FTSH-29. This landfill is located west of Salado Creek and east of Garden Avenue. The landfill is estimated to be 23 acres in size. This trench and fill landfill is reported to have received domestic, construction, and probable medical waste debris from the mid-1950s until 1973.

A landfill assessment was performed in 1994 and 1995 that included a geophysical and soil gas surveys, surface and subsurface soil sampling, and monitoring well installation. Metals and SVOCs were detected in four surface soil samples, and VOCs in one subsurface soil sample, at concentrations above maximum background. Subsequently, groundwater sampling was performed, which revealed metals above the MCL. Background concentrations have not been established.

Exploratory trenching was completed in June 2000 for remedial design purposes. In August 2000, measures were taken to control erosion.

STATUS

RRSE RATING:

Medium

CONTAMINANTS OF CONCERN:

Metals, SVOCs

MEDIA OF CONCERN:

Soil, Groundwater, Surface Water

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RI

FUTURE IRP PHASE:

RI/FS, LTM

PROPOSED PLAN

Additional surface water and sediment samples will be taken. No further action is expected to be required under ER,A. Any remedial actions are expected to be funded from other sources.

SITE DESCRIPTION

Landfill 7 is located within the south-eastern portion of FTSH. The AEDB-R designation changed from FTSH-26 to FTSH-29. This landfill is located west of Salado Creek and east of Garden Avenue. An unnamed tributary of Salado Creek separates Landfill 7 from Landfill 6. The landfill is estimated to be 22 acres in size. This trench and fill landfill is reported to have received domestic, construction, organic material and chemical, debris from the mid-1950s until 1979. This site is currently being used to store plant mulch.

A landfill assessment was performed in 1994 and 1995 that included geophysical and soil gas surveys, surface and subsurface soil sampling, and monitoring well installation. Metals and SVOCs were detected in surface soil samples at concentrations above maximum background. Subsequently, groundwater sampling was performed, which revealed metals above the MCL. Background concentrations have not been established.

Exploratory trenching was completed in June 2000 for remedial design purposes. In August 2000, surface debris was removed and measures were taken to control erosion.

STATUS

RRSE RATING:

Medium

CONTAMINANTS OF CONCERN:

Metals, SVOCs

MEDIA OF CONCERN:

Soil, Groundwater, Surface Water

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RI

FUTURE IRP PHASE:

RI/FS, LTM

PROPOSED PLAN

Additional surface water and sediment samples will be taken. No further action is expected to be required under ER,A. Any remedial actions are expected to be funded from other sources.

FTSH-30 (PAGE 1 OF 5) LANDFILLS 2, 3, 4B, AND 5

SITE DESCRIPTION

This site is comprised of 4 individual landfills that are located throughout the eastern to the east-central portion of FSH. They include Landfills # 2, 3, 4B, and 5. The 4 landfills cover ~43 acres. These landfills were once used for disposal of unknown waste, as well as domestic waste, construction debris, medical waste, and organic debris.

See following pages for individual landfill site descriptions.

Exposed debris is found over most of the site.

STATUS

RRSE RATING: Medium

CONTAMINANTS OF CONCERN:

Metals, POL, SVOCs, Medical Waste

MEDIA OF CONCERN:

Soil, Surface Water

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RI/FS

FUTURE IRP PHASE:

RI/FS, RA, LTM

PROPOSED PLAN

Continue investigations with waste characterization, develop conceptual site model. A consolidated landfill cover will likely be required. Periodic cover maintenance will follow.

SITE DESCRIPTION

Landfill 2 is located within the east central portion of FSH in the Salado Creek floodplain. The AEDB-R designation changed from FTSH-26 to FTSH-30. Its border with Landfill 3 is essentially indistinguishable. It is estimated to be approximately 6 acres in size. This trench and fill landfill is reported to have received both domestic and construction debris from about 1954 until 1979.

A landfill assessment was performed in 1994 and 1995 that included a geophysical survey, surface and subsurface soil sampling, and monitoring well installation. Metals and TPH were detected in three surface soil samples at concentrations above maximum background. Subsequently, groundwater sampling was performed, which revealed metals above the MCL. Background concentrations have not been established.

Exploratory trenching was completed in June 2000 for remedial investigation and design purposes.

STATUS

RRSE RATING: Medium

CONTAMINANTS OF CONCERN:

Metals, POL

MEDIA OF CONCERN:

Soil, Surface Water

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RI/FS

FUTURE IRP PHASE:

RI/FS, RA, LTM

PROPOSED PLAN

Continue investigations with waste characterization, develop conceptual site model. A consolidated landfill cover will likely be required. Periodic cover maintenance will follow.

SITE DESCRIPTION

Landfill 3 is located within the east central portion of FTSH in the Salado Creek floodplain. The AEDB-R designation changed from FTSH-26 to FTSH-30. It is approximately 3.3 acres in size, however, the exact size is unknown because the boundary between it and Landfill 2 is indistinguishable. This trench and fill landfill is reported to have received both domestic and construction debris until 1979.

A landfill assessment was performed in 1994 and 1995 that included a geophysical survey, surface and subsurface soil sampling, and monitoring well installation. Metals and TPH were detected in three surface soil samples at concentrations above maximum background. Groundwater sampling was performed, which revealed metals above the MCL. Background concentrations have not been established.

Exploratory trenching was completed in June 2000 for remedial investigation and design purposes.

STATUS

RRSE RATING: Medium

CONTAMINANTS OF CONCERN:

Metals, POL

MEDIA OF CONCERN:

Soil, Surface Water

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RI/FS

FUTURE IRP PHASE:

RI/FS, RA, LTM

PROPOSED PLAN

Continue investigations with waste characterization, develop conceptual site model. A consolidated landfill cover will likely be required. Periodic cover maintenance will follow.

SITE DESCRIPTION

Landfill 4B is located within the east central portion of FTSH in the Salado Creek floodplain. The AEDB-R designation changed from FTSH-26 to FTSH-30. It is approximately 15 acres in size. This area-fill landfill is reported to have received construction debris from 1960 to approximately 1975.

A landfill assessment was performed in 1994 and 1995 that included geophysical and soil gas surveys, surface and subsurface soil sampling, and monitoring well installation. Metals and SVOCs were detected in two surface soil samples at concentrations above maximum background. Subsequently, groundwater sampling was performed which revealed metals above the MCL. Background concentrations have not been established.

Exploratory trenching was completed in June 2000 for remedial investigation and design purposes.

STATUS

RRSE RATING: Medium

CONTAMINANTS OF CONCERN:

Metals, SVOCs

MEDIA OF CONCERN:

Soil, Surface Water

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RI/FS

FUTURE IRP PHASE:

RI/FS, RA, LTM

PROPOSED PLAN

Continue investigations with waste characterization, develop conceptual site model. A consolidated landfill cover will likely be required. Periodic cover maintenance will follow.

SITE DESCRIPTION

Landfill 5 is located within the east central portion of FTSH in the Salado Creek floodplain and is currently designated under FTSH-26 in AEDB-R, with possible redesignation to FTSH-30. The landfill is estimated to be 19 acres in size. This trench and fill landfill is reported to have received domestic, construction, and probable medical waste debris from 1953 until 1975.

A landfill assessment was performed in 1994 and 1995 that included a geophysical and soil gas surveys, surface and subsurface soil sampling, and monitoring well installation. Metals, SVOCs, and TPH constituents were detected in four surface soil samples at concentrations above maximum background. Subsequently, groundwater sampling was performed which revealed metals above the MCL. Background concentrations have not been established.

Exploratory trenching was completed in June 2000 for remedial design purposes.

STATUS

RRSE RATING: Medium

CONTAMINANTS OF CONCERN:

Metals, POL, SVOCs

MEDIA OF CONCERN:

Soil, Surface Water

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RI/FS

FUTURE IRP PHASE:

RI/FS, RA, LTM

PROPOSED PLAN

Continue investigations with waste characterization, develop conceptual site model. A consolidated landfill cover will likely be required. Periodic cover maintenance will follow.

Fort Sam Houston

MILITARY MUNITION RESPONSE PROGRAM SITES

FTSH-001-R-01

CHEMICAL DEFENSE TRAINING AREA

In the late 1930s, three chemical munitions magazines were located on what is now the northern parking lot at the Army Medical Department Center and School (AMEDDC&S), just south of Harry Wurzbach Highway. Some chemical defense exercises (gas mask drills) were conducted in this area before World War II. This 2.69 acre area currently contains medical and office buildings. No information, on specific ordnance types used or UXO responses at this range, was located during the records review.

FTSH-002-R-01

DODD FIELD SMALL ARMS RANGE

In 1888, a small arms target range was constructed in the western portion of a parcel of land just north of Fort Sam Houston that would later become Dodd Field. The target butts were located just south of Rittiman Road and east of Harry Wurzbach Highway in an area that is currently the Watkins Terrace family housing area. The contours of the target butts are still portrayed on maps dated 1926 and 1940. The firing points were to the south, with the 600-yard line east of Road S-43 and north of Dashiell road. Use of the range was likely discontinued in 1915 with the construction of barracks, hangars, and a runway for the development of an aviation post that operated until 1917. This closed range is 87.24 acres in size. No information, on specific ordnance types used or UXO responses at this range, was located during the records review.

FTSH-003-R-01

MEADE FIELD

During the mobilization for WWI, this 114.82 acre area was a multi-use area used to train troops for combat. This would have involved the use of grenades (smoke and practice), small arms and artillery simulators and demolitions. Riot control agents were used between the 1960s and 1970s to simulate toxic chemical agents. Through 1997, the area was used for operational readiness training for combat medics that involved aeromedical evacuations and the use of small arms, smoke and simulators.

Development of the area for other purposes began in 1941, when horse stables were constructed in the southwest corner of the site. In 1961, the Charles Kelly Heliport was constructed in the northwest corner of Meade Field. In 1991, a Recreational Vehicle Park was constructed in the northeast corner of the site. No information was found during the record review concerning UXO responses at this site.

FTSH-004-R-01

1926 PISTOL RANGE

A 1926 training map shows a pistol range located south of Wilson Street along the extension of Chaffee Road between Building 4193 and 4194 in the former Kelly AFB Annex. The approximate dates of use for this range is 1926 through 1938. No information, on specific ordnance types used or UXO responses at this range, was located during the records review. Warehouses and office buildings are currently located on this former 31.84 acre range.

FTSH-005-R-01 STAFF POST FIRING RANGE

The earliest known small arms firing range on Fort Sam Houston was located in the Staff Post area near the intersection of Wilson Street and Liscom Road. The target butts would have been located near the west end of Building 230. This range was in use from about 1876 to 1887 when troop strength at the installation varied between 80 and 200 soldiers. The former site is approximately 615.1 acres in size. Part of the former firing range contains office buildings, while the rest remains undeveloped. No information on specific ordnance types used or UXO responses at this range was located during the records review.

FTSH-006-R-01 CHEMICAL WARFARE DEMONSTRATION AREA

In 1920, a chemical warfare demonstration was conducted in the area between Salado Creek and Garden Street. An unknown number of 4-inch Stokes mortars and 8-inch Livens projectors, were fired during the demonstration. The mortars fired thermite and white phosphorus rounds. The Livens projectors fired oil-filled incendiary drums and titanium tetrachloride rounds to simulate mustard gas. The range fan for the 200-yard Rifle Range overlies this site. Total acreage of the area is 128.79 acres, and is currently as a recreation area. No information was found during the record review concerning UXO responses at this site.

FTSH-007-R-01 CLOSED PERSHING FIELD

During the mobilization for WWI, this area was a multi-use area used to train troops for combat. This would have involved the use of grenades (smoke and practice), small arms and artillery simulators or demolitions. A 1926 training map depicts a machine gun range at the western end of Pershing Field. Records indicate that from 19 July 1938 to 23 November 1938, the Machine Gun Range was redeveloped as a "1000 inch range" and renamed the Humphrey-Maston Range. During the 1930s, a pistol range was opened just south of the Humphrey-Maston Range in the western end of Pershing Field. The use of the range was discontinued in November 1939. In 1955, the U.S. Modern Pentathlon Training Center moved to Fort Sam Houston. Shortly thereafter, the former pistol range was designated as the Pentathlon Range. This 100.88 acre training area was used from 1917 until approximately 1962. The current Fort Sam Houston Golf Course was constructed over part of this former training area, while other parts of the area were used for landfills from 1953 to 1979, with the rest remaining undeveloped. No information on specific ordnance types used or UXO responses at this range was located during the records review.

FTSH-008-R-01 OLD PERSHING RANGE

This 4.93 acre small arms range was built in 1960 and was used until the replacement range, the New Pershing Range, was built in 1970. The proximity of the National Guard Armory complex, built in 1974, limited the amount and type of training conducted in this area. This former range area is currently the location of Brooke Army Medical Center and office buildings. No information, on specific ordnance types used or UXO responses at this range, was located during the records review.

FTSH-009-R-01 FIRE TRAINING AREA

This 55.36 acre area is part of the land acquired for the construction of Camp Travis in 1917 to prepare for WWI troop build-up; the western boundary of the training area was along the edge of the cantonment barracks. Camp Travis later became part of Fort Sam Houston in 1922. The area was used primarily for small arms training from 1917 to 1945. A “recruit rifle range” was reported to have existed in 1940 towards the east end of the area but its existence could not be verified during the review of available maps and records. The range fan for the former 200-yard rifle range also overlies this area. A fire station, fire training facilities, and softball fields are currently located on a portion of this site. No information, on specific ordnance types used or UXO responses at this range, was located during the records review.

FTSH-0010-R-01 PENTATHLON RANGE-TD

This 7.7 acre site is part of the range fan of the former Pentathlon Pistol Range and lies to the east of the current installation boundaries. The Pentathlon Pistol Range was used from approximately 1930 through 1939, and then again from 1955 until approximately 1962. Currently, this area is used for residential areas and undeveloped flood plain. No information, on specific ordnance types used or UXO responses at this range, was located during the records review. This property was never owned by the U.S. Army and is not being considered under the FUDS inventory. U.S. Army use of this property ended in 1962.

FTSH-011-R-01 SALADO CREEK TRAINING AREA

In 1917, the area was used for WWI training that included grenades, mortars, and practice bombs from aircraft. From 1946 to 1997, the 45.46 acre Salado Creek Training Area was used for individual training of medical officers and enlisted personnel and unit training; primarily military police, and Army Medical Department organizations. This training would have involved small arms, artillery simulators, smoke and practice grenades and riot control agents. A 1926 training map shows a 200-yard rifle range located on the western edge of the Salado Creek Training Area east of Salado Creek and south of the current bridge over the creek on Binz-Engelman Road. The range is also depicted on site maps dated 1938, 1943 and 1951. This area is currently undeveloped. No information on UXO responses at this range was located during the records review.

FTSH-012-R-01 200-YARD RIFLE RANGE

A 1926 training map shows a 200-yard rifle range located in the southern portion of the Salado Creek Training Area east of Salado Creek and the current bridge over the creek on Binz-Engelman Road. The range is also depicted on site maps dated 1938, 1943 and 1951. No information, on specific ordnance types used or UXO responses at this range, was located during the records review. According to available records there is no evidence of the range being used in 1951. The 0.89 acre area is currently an undeveloped area within the floodplain of Salado Creek.

FTSH-013-R-01 STONEWALL JACKSON FIELD-TD

This 76.13 acre site was formerly part of the Stonewall Jackson Field Training Area. During the mobilization for WWI, this area was a multi-use area used to train troops for combat. From 1925 to 1931, the area was also used as a practice bombing range for aircraft flying out of Dodd Field. Black powder practice bombs have been found in Stonewall Jackson Field as recently as 1983. A 1926 Training Map does not depict any training areas within this former area of Stonewall Jackson Field. In 1941, troop barracks were constructed in this area as part of the Dodd Field Recruit Reception Center; barracks are still depicted on a 1956 map. The range fans for the Humphrey- Maston Machine Gun Range and the Stonewall Jackson Field Pistol Range overlay this site. In 1980, 31.68 acres of this site was transferred to the Department of Veterans Affairs for development as a National Cemetery. In 1998, the remaining 45.10 acres of land was also transferred to the Department of Veterans Affairs for further development of the National Cemetery. No information on UXO responses was located during the record review. The FUDS program was checked to verify that this property was not included in the FUDS inventory.

FTSH-015-R-01 LANDFILL 8B

The landfill (DSERTS Site FTSH-26), also known as the Explosive Ordnance Disposal area, is approximately 4.86 acres and is located to the east of the Pershing Firing Range. According to the March 2002 Installation Action Plan and the May 2000 Site Characterization Work Plan, it is reported to have received construction debris, and potentially exploded and unexploded ordnance from 1970 to 1985. The area was surface cleared by a UXO team in 1999 and 2000 prior to geophysical surveys being conducted across the site. Only UXO-related items that included hand grenade spoons, one empty M-16 mine casing and expended small arms rounds have been located and removed; no UXO have been detected. The remedial investigation for Landfill 8B has recently been completed under the IRP. The landfill is currently surrounded with an 8-foot chain link fence topped with barbed wire. This site is not eligible for remediation under IRP.

FTSH-016-R-01 PISTOL RANGE-TD

The Pistol Range-TD is the 36.34 acre section of the original range fan of the Pistol Range that extends past the installation boundary. A 1926 training map and a map dated May 1940 based on 1938 aerial photos depicts a pistol range being located in the southeast corner of the Stonewall Jackson Field Training Area. The pistol range does not appear on a map dated July 1943 or any other available historical maps. No information on specific ordnance types used or UXO responses at this range was located during the records review. Currently, the property contains the City of San Antonio Park and residential areas. This property was never owned by the U.S. Army and is not being considered under the FUDS inventory. U.S. Army use of this property ended in 1943.

FTSH-017-R-01 STONEWALL JACKSON FIELD

During the mobilization for WWI, this 283.78 acre area was a multi-use area used to train troops for combat. From 1925 to 1931, the area was also used as a practice bombing range for aircraft flying out of Dodd Field. Black powder practice bombs have been found at the site as recently as 1983. The training area was also used during WWII for various types of training including the use of practice landmines. The presence of the 4th Army antenna farm in this area in 1947 would have limited the use of the training area as a live-fire training range. A 1926 training map and a map dated May 1940 based on 1938 aerial photos depicts a pistol range being located in the southeast corner of the Stonewall Jackson Field Training Area. The pistol range does not appear on a map dated July 1943 or any other available historical maps. No additional information on this pistol range was located during the records review. The range fans for the Humphrey-Maston Machine Gun Range and the Pentathlon Pistol Range also overlay Stonewall Jackson Field Training Area. Parts of this site are currently used for utility/ground improvements and landfills, with the rest remaining undeveloped. No information on UXO responses was located during the record review.

FTSH-018-R-01 TRENCH WARFARE COMPLEX

Beginning in 1917, this 65.77 acre area was used for combat training during the troop build up for WW I. This training included practice grenades, small arms, rifle grenades, smoke and demolitions. After 1970, training was limited to field training exercises with small arms, simulators, and smoke and riot control agents. Training was further curtailed in the area after 1974 with the construction of the National Guard Armory Complex in the north-east portion of the site. Brooke Army Medical Center and office buildings are currently located on this former training site. No information on UXO responses was located during the record review.

FTSH-019-R-01 1926 PISTOL RANGE-TD

The 1926 Pistol Range-TD is the 1.23 acre section of the original range fan of the 1926 Pistol Range that extends past the installation boundary. A 1926 training map shows a pistol range located south of Wilson Street along the extension of Chaffee Road between Building 4193 and 4194 in the former Kelly AFB Annex. The approximate date of use for this range is 1926 through 1938. No information, on specific ordnance types used or UXO responses at this location, was located during the records review. The property is currently used for railroad right-of-way. This property was never owned by the U.S. Army and is not being considered under the FUDS inventory. U.S. Army use of this property ended in 1938.

FTSH-020-R-01 200-YARD RIFLE RANGE-TD

The 200 Yard Rifle Range-TD is the 253.22 acre section of the original range fan of the 200 Yard Rifle Range that extends past the installation boundary. A 1926 training map shows a 200-yard rifle range located in the southern portion of the Salado Creek Training Area east of Salado Creek and the current bridge over the creek on Binz- Engelman Road. The range is also depicted on site maps dated 1938, 1943 and 1951. According to available records there is no evidence of the range being used in 1951. No information, on specific ordnance types used or UXO responses at this range, was located during the records review. This former range is currently used as a residential area and the San Antonio Country Club. This property was never owned by the U.S. Army and is not being considered under the FUDS inventory. U.S. Army use of this property ended in 1951.

FTSH-021-R-01 DODD FIELD SMALL ARMS RANGE-TD

The Dodd Field Small Arms Range -TD is the 1153.47 acre section of the original range fan of the Dodd Field Small Arms Range that extends past the installation boundary. In 1888, a small arms target range was constructed in the western portion of a parcel of land just north of Fort Sam Houston that would later become Dodd Field. Use of the range was likely discontinued in 1915 with the construction of barracks, hangars, and a runway for the development of an aviation post that operated until 1917. Light commercial development and residential areas are currently located on this site. No information, on specific ordnance types used or UXO responses at this range, was located during the records review. This property was never owned by the U.S. Army and is not being considered under the FUDS inventory. U.S. Army use of this property ended in 1915.

FTSH-022-R-01 STAFF POST FIRING RANGE-TD

The Staff Post Firing Range-TD is the 317.17 acre section of the original range fan of the Staff Post Firing Range that extends past the installation boundary. The earliest known small arms firing range on Fort Sam Houston was located in the Staff Post area near the intersection of Wilson Street and Liscom Road. This range was in use from about 1867 to 1887. This area is currently used for commercial warehouses, railroad and utility right-of-way. No information on specific ordnance types used or UXO responses at this range was located during the records review. This property was never owned by the U.S. Army and is not being considered under the FUDS inventory. U.S. Army use of this property ended in 1887.

FTSH-023-R-01 STAFF POST FIRING RANGE-TD2

The Staff Post Firing Range-TD2 is the 118.9 acre section of the original range fan of the Staff Post Firing Range that extends past the installation boundary. The earliest known small arms firing range on Fort Sam Houston was located in the Staff Post area near the intersection of Wilson Street and Liscom Road. This range was in use from about 1876 to 1887. This area is currently used for residential and commercial activities. No information on specific ordnance types used or UXO responses at this range was located during the records review. This property was never owned by the U.S. Army and is not being considered under the FUDS inventory. U.S. Army use of this property ended in 1887.

FTSH-024-R-01 STAFF POST FIRING RANGE-TD3

The Staff Post Firing Range-TD3 is the 0.79 acre section of the original range fan of the Staff Post Firing Range that extends past the installation boundary. The earliest known small arms firing range on Fort Sam Houston was located in the Staff Post area near the intersection of Wilson Street and Liscom Road. This range was in use from about 1876 to 1887. A residential area is currently located on this property. No information on specific ordnance types used or UXO responses at this range was located during the records review. This property was never owned by the U.S. Army and is not being considered under the FUDS inventory. U.S. Army use of this property ended in 1887.

FTSH-025-R-01 200-YARD RIFLE RANGE 2

A 1926 training map shows a 200-yard rifle range located in the southern portion of the Salado Creek Training Area east of Salado Creek and the current bridge over the creek on Binz-Engelman Road. The range is also depicted on site maps dated 1938, 1943 and 1951. According to available records there is no evidence of the range being used in 1951. No information, on specific ordnance types used or UXO responses at this range, was located during the records review. This 417.3 acre area currently contains the Base Exchange (BX), Commissary, office buildings, and houses.

FTSH-026-R-01 STAFF POST FIRING RANGE 2

The Staff Post Firing Range 2 is a 20.44 acre section of the original range fan of the Staff Post Firing Range. The earliest known small arms firing range on Fort Sam Houston was located in the Staff Post area near the intersection of Wilson Street and Liscom Road. The target butts would have been located near the west end of Building 230. This range was in use from about 1876 to 1887. Warehouses and office buildings are currently located in this area. No information on specific ordnance types used or UXO responses at this range was located during the records review.

FTSH-027-R-01 PISTOL RANGE

The Pistol Range is the 34.89 acre section of the original range fan of the Pistol Range that extends past Stonewall Jackson Field Training Area. A 1926 training map and a map dated May 1940 based on 1938 aerial photos depicts a pistol range being located in the southeast corner of the Stonewall Jackson Field Training Area. The pistol range does not appear on a map dated July 1943 or any other available historical maps. No information on specific ordnance types used or UXO responses at this range was located during the records review. Currently, the property contains the Fort Sam Houston Elementary School and High School, a football stadium and a few residential areas.

Fort Sam Houston

ER, A RESPONSE COMPLETE SITES

FTSH-01 MOTOR POOL (BLDG 2510, 2511, 2512)

SITE DESCRIPTION

This site is located within the east central portion of FTSH and includes three buildings, 2510, 2511, and 2512. These buildings were part of the overall motor pool complex that included nine buildings where army vehicle repair and maintenance occurred. This motor pool area was in operation from approximately 1941 until 1993, when the operation was moved to a newly constructed central maintenance facility. All of these buildings, including these three, were demolished in the mid to late 1990s.

Based on the findings of the PA/SI conducted in 1998, no further investigation is warranted.

The buildings have been demolished, therefore this site is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

Lead, POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

Response Complete - 1987

FTSH-06 PARKERIZATION (BLDG 371)

SITE DESCRIPTION

This site is located within the south central portion of FTSH and is designated as Building 371 in the database. This 18,387 square foot building was constructed in 1934 and was in operation until November 1992, when it was demolished to make way for the new Commissary/PX facility. It formerly served as a maintenance shop for heavy equipment repair and was designated as a SAS.

The building has been demolished and the site cleared, therefore it is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

POL, Lead

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI/FS, RA

CURRENT IRP PHASE:

Response Complete - 1994

FTSH-07 PRINTING (BUILDING 230)

SITE DESCRIPTION

This site is located within the south central portion of FTSH and is designated as Printing Building 230 in the database. This building formerly served as the post print shop and is currently being used as the Thrift Shop. During its use as a print shop, it was also designated as a SAS for small amounts of photographic chemical solvents, and other solid and liquid wastes used in the printing process.

The PA/SI conducted in 1998 found no evidence of an environmental release or any reports of leaks or spills, therefore additional investigations were not warranted.

The Thrift Shop was demolished.

This site is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

Paint, Solvents

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RA

CURRENT IRP PHASE:

Response Complete - 1993

FTSH-13 PERSHING RANGE (PISTOL) BLDG 3500

SITE DESCRIPTION

This site is located within the east central portion of FSH and is designated as the Pershing Pistol Range, Building 3500 in AEDB-R. This firing range encompassed approximately 14 acres and was divided into two separate areas: the pistol firing range and the explosives and ordnance disposal (EOD) area, FTSH-26, Landfill #8B. The pistol range was used as a small arms firing range from 1985 to 1996. The description of the EOD area is presented in FTSH-26.

A PA/SI was performed in 1998 that detected elevated lead levels in the surface soil. A geophysical and UXO survey was performed in early 1999, which identified a larger area than originally anticipated. A lead removal, building demolition, and site restoration project was completed in August 1999.

The TNRCC issued a Notice of Deficiency on July 5, 2000, requesting additional discrete soil samples to be analyzed for total lead. In September 2000, this effort was completed and confirmed that no further remediation is required. TCEQ approved of NFA.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

Lead

MEDIA OF CONCERN:

Soil

COMPLETED IRP PHASE:

PA/SI, RI/FS, RA, RA(O)

CURRENT IRP PHASE:

Response Complete - 2003

FTSH-14 PESTICIDE STORAGE (BLDG 1874)

SITE DESCRIPTION

This site is located in the northeastern portion of FTSH and is designated as Pesticide Storage, Building 1874 in the database. The single-story building was surrounded by a 6-foot chain link fence and encompassed 3,100 square feet. It served as a maintenance shop for equipment repair from 1941 until November 1992, when it was demolished. It was also designated as a SAS.

According to the PA/SI performed in 1998, an environmental site survey was performed at the facility in December 1992. The results of the report suggested that lead and POL contamination was limited to surface soil in the 3,100 square-foot facility area. The contaminated soil was removed and disposed-of in August 1995.

The building has been removed and the site has been remediated, therefore it is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

POL, Lead

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI/FS, RA

CURRENT IRP PHASE:

Response Complete - 1995

FTSH-15 PCB STORAGE (BLDG 1171)

SITE DESCRIPTION

This site is located within the south-central portion of FTSH and is designated as PCB Storage Building 1171 in the database. This building was a wooden structure that served many purposes since its construction. The building was last used from 1985 to 1989 as a storage facility for an unknown quantity of various out-of-service and spare industrial transformers, which contained oils with PCBs. The transformers were reportedly stored in the south end of the building in a concrete containment basin.

As indicated in the PA/SI conducted in 1998, an assessment and site remediation was performed in 1994 that included building demolition and the removal of 77 cubic yards of PCB-contaminated concrete. PCB levels in the soil below the concrete were reported to be near or below risk-based levels. The assessment report indicated that no further remedial action was warranted at this location.

This site has been remediated, therefore it is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

Metals, POL, SVOCs, PCBs

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI/FS, RD, RA

CURRENT IRP PHASE:

Response Complete - 1994

Fort Sam Houston

NON ELIGIBLE SITES

FTSH-02 TRANS BRANCH MOTOR POOL

SITE DESCRIPTION

This site is currently active, therefore it is not eligible for ER,A funding.

This site is located within the south central portion of FTSH and is considered the Transportation Motor Pool and designated Building 2432 in the database. This site serves as a motor pool and its primary activities are vehicle maintenance and repair. A preliminary assessment was conducted on this site in 1991, after one UST failed its tank tightness test. The USTs and contaminated soil were removed along with the installation of monitoring wells. The PA/SI recommended no further action.

This site is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

Lead, POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA

CURRENT IRP PHASE:

Response Complete - 1989

FTSH-03 TEXAS NATIONAL GUARD MOTOR POOL (BLDG 3451)

SITE DESCRIPTION

This site is currently active, therefore it is not eligible for ER,A funding.

This site is located in the east-central portion of FTSH and is considered part of the Texas National Guard Motor Pool and designated Building 3451 in the database. This building is actually numbered 3651. This facility serves as a motor pool, with its primary function being vehicle storage, maintenance, and repair.

This site is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

POL, Lead

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

Response Complete - 1989

FTSH-04 USAR VEHICLE MAINTENANCE AREA (BLDG 1522)

SITE DESCRIPTION

This site is currently active, therefore it is not eligible for ER,A funding.

This site is located within the northern portion of FTSH and is considered part of the 90th Army Reserve Command (ARCOM) Maintenance facility and designated Building 1522 in the database. The primary activities conducted at this site are vehicle maintenance and repair. It is also designated as a SAS.

Based on the findings of the PA/SI conducted in 1998, there were no known spills or releases of hazardous materials reported.

This site is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

Lead, POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

Response Complete - 1989

FTSH-05 HELIPORT

SITE DESCRIPTION

This site is currently active, therefore it is not eligible for ER,A funding.

This site is located within the east central portion of FTSH and is considered part of the 507th Maintenance Helipad unit and designated Building 3521 in AEDB-R. This site formerly served as a motor pool, with its primary activities being helicopter engine repair and general maintenance. It is also designated as a SAS. This site is currently being used by a mobile hospital unit with the Army Reserve.

Based on the findings of the PA/SI conducted in 1998, there is no known environmental concern or evidence of improper chemical usage at the site.

This site is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

POL, Lead, Solvents

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

Response Complete - 1989

FTSH-08 PHOTO LAB (BLDG 2000, 1031, 2376, 1450)

SITE DESCRIPTION

Building 1450 is currently active and the other buildings no longer operate as photo labs, therefore it is not eligible for ER,A funding.

This site is comprised of four buildings located throughout FTSH and is designated as Photo Lab, Buildings 1031, 1450, 2000, and 2376 in the database. These buildings once contained laboratories that stored and used photographic equipment, with the exception of Building 1450, which is still active.

Building 1031 is no longer in existence. The labs in building 2000 and 2376 no longer exist. The laboratory at Building 2376 was designated as an SAS for laboratory chemical waste temporary storage, but was abandoned in 1996.

This site is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

Metals, Solvents

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

Response Complete - 1989

FTSH-10 LAB OPERATIONS (BLDG 2840, 2841, 2630, 2657)

SITE DESCRIPTION

The site locations that remain are currently active, therefore this site is not eligible for ER,A funding.

This site is comprised of four buildings located throughout FTSH and is designated as Lab Ops, Buildings 2657, 2630, 2840, and 2841 in the database. These buildings contain laboratories that utilized chemicals in their daily operations. The veterinary laboratory in Building 2630 is currently designated as an SAS. Chemicals used in their daily operations are stored in designated areas within the building under fume hoods and in chemical resistant storage containers.

Based on the information obtained during the PA/SI conducted in 1998, there were no known reports of any chemical spills at any of the buildings.

This site is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

POL, Lead

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

Response Complete - 1989

FTSH-11 LAB OPERATIONS (BLDG 2653, 2354, 2655, 2375)

SITE DESCRIPTION

This site is comprised of four buildings located within the south central portion of FTSH and is designated as Lab Ops, Buildings 2354, 2375, 2653, and 2655 in the database. These buildings once contained laboratories that utilize chemicals in their daily operations.

All of these buildings have been removed.

This site is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

Metals, Solvents

MEDIA OF CONCERN:

Soil, Groundwater, Surface Water

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

Response Complete - 1989

FTSH-12 RANGES (INDOOR, BLDG 605A, 606A)

SITE DESCRIPTION

These sites are not eligible for ER,A funding.

This site is located within the southwest portion of FTSH and is designated as Indoor Ranges at Buildings 605A and 606A in the database.

These ranges are inactive. All firing range functions have been transferred to Camp Bullis.

The site is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

Heavy Metals

MEDIA OF CONCERN:

Soil

COMPLETED IRP PHASE:

PA

CURRENT IRP PHASE:

Response Complete - 1989

RAD WASTE STORAGE (BLDG 238, 1000, 1029, 1126)

SITE DESCRIPTION

This site is comprised of four buildings located throughout FTSH and is designated as RAD Waste Storage, Buildings 238, 1000, 1029, and 1126 in the database. These buildings contained areas that once stored radiological waste that was generated by the Brooke Army Medical Center (BAMC) for medical purposes. In 1996, BAMC's radiological operations were consolidated in the new facility located at B3600.

To determine if there was any residual radioactivity remaining after cessation of activities in these buildings, USACHPPM conducted a survey during the period from January 1997 through February 1997. The survey demonstrated that all of the buildings, with the exception of the interior of Building 238, were in compliance with the appropriate NRC guidelines for facilities released for unrestricted use.

In April 1998, a BAMC radiation protection officer conducted a radiation and contamination survey of the interior of Building 238 and determined that there was no contamination above survey method detection levels present in the building and deemed it radiological safe for entry.

These buildings have been decommissioned for radiological concerns. Therefore, this site is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

Low Level Radioactive Materials

MEDIA OF CONCERN:

Soil, Surface Water

COMPLETED IRP PHASE:

PA

CURRENT IRP PHASE:

Response Complete - 1989

RAD WASTE STORAGE (BLDG 2376, 2630, 2653)

SITE DESCRIPTION

This site is comprised of three buildings located throughout FTSH and is designated as RAD Waste Storage, Buildings 2376, 2630, and 2653 in the database. These buildings contained areas that once stored radiological waste that was generated by the Brooke Army Medical Center (BAMC) for medical purposes. In 1996, BAMC's radiological operations were consolidated in the new facility located at B3600.

To determine if there was any residual radioactivity remaining after cessation of activities in Building 2376, USACHPPM conducted a survey of this building along with others during the period from January 1997 through February 1997. This survey identified that there was a refrigerator in room 306 that had measurable levels of radioactivity and that the refrigerator would need to be removed to be in compliance with NRC guidelines. In October 1999, the BAMC Health Physics Office conducted a survey and decontaminated the refrigerator.

These buildings have been decommissioned for radiological concerns. Therefore this site is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

Low Level Radioactive Materials

MEDIA OF CONCERN:

Soil, Surface Water

COMPLETED IRP PHASE:

PA

CURRENT IRP PHASE:

Response Complete - 1989

FTSH-19 FUEL STORAGE (BLDG 16, 1000, 2190)

SITE DESCRIPTION

This site is comprised of three buildings located throughout FTSH that had underground storage tanks associated with them. They include Buildings 16, 1000, and 2190 as designated in the database. All three of these tanks were removed in January 1989. Two of these tanks were replaced with aboveground storage tanks at Buildings 16 and 2190. There was no contamination discovered at any of the former UST locations.

When these tanks were in use, they were not eligible for ER,A funding for their removal.

This site is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

Response Complete - 1989

FTSH-20 FUEL STORAGE (BLDG 2380, 2428, 2429)

SITE DESCRIPTION

This site is comprised of three buildings located throughout FTSH that had underground storage tanks associated with them. They include Buildings 2380, 2428, and 2429, as designated in the database. All eight of the tanks were taken out of service in January 1992 to comply with PST standards. All soil contamination discovered within the former tankholds was removed, treated by thermodesorption, and then applied to the top of the ammo bunkers located adjacent to B-4197. When these tanks were in use, they were not eligible for ER,A funding for their removal.

This site is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI, RA

CURRENT IRP PHASE:

Response Complete - 1992

FTSH-21 FUEL STORAGE (BLDG 3520, 2912, 3002, 3880)

SITE DESCRIPTION

This site is comprised of four buildings located throughout FTSH that had underground storage tanks associated with them. They include Buildings 2912, 3002, 3520, and 3880 as designated in the database. All four of the tanks were taken out of service in January 1992 to comply with PST standards. All soil contamination discovered within the former tankholds was removed, treated by thermodesorption, and then applied to the top of the ammo bunkers located adjacent to B-4197. When these tanks were in use, they were not eligible for ER,A funding for their removal.

This site is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI, RA

CURRENT IRP PHASE:

Response Complete - 1992

FTSH-22 FUEL STORAGE (BLDG 1147, 1148, 1384, 1982)

SITE DESCRIPTION

This site is comprised of four buildings located throughout FTSH that had underground storage tanks associated with them. They include Buildings 1147, 1148, 1384, and 1982 as designated in the database. All four of the tanks were taken out of service in January 1992 to comply with PST standards. All soil contamination discovered within the former tankholds was removed, treated by thermodesorption, and then applied to the top of the ammo bunkers located adjacent to B-4197. When these tanks were in use, they were not eligible for ER,A funding for their removal.

This site is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI, RA

CURRENT IRP PHASE:

Response Complete - 1992

FTSH-23 FUEL STORAGE (BLDG 2610)

SITE DESCRIPTION

This site is located within the south central portion of FTSH, which is currently serving as the Post Exchange Service Station and is designated as Fuel Storage at Building 2610 in the database. This service station had five underground storage tanks located there.

These tanks were removed in 1993 in order to comply with PST standards. All soil contamination discovered within the former tankholds was removed, treated by thermodesorption, and then applied to the top of the ammo bunkers located adjacent to B-4197. Four new, 10,000 gallon fiberglass USTs were installed in 1993 to replace the removed tanks to the December 1998 PST standards. This building is also designated as an SAS and utilizes a 500 gallon AST for waste oil collection. When these tanks were in use, they were not eligible for ER,A funding for their removal and replacement.

This site is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI, RA

CURRENT IRP PHASE:

Response Complete - 1994

FTSH-27 AMMO STORAGE (BLDG 4112, 4113, 4114, 4124, 4125)

SITE DESCRIPTION

This site is located within the south central portion of FTSH and is comprised of five buildings designated as Ammunition Storage, Building 4112, 4113, 4114, 4124, and 4125, in the database. They are used to store unused and unexploded ordnance and munitions. There is no knowledge of any release to the environment.

All of these buildings are currently active, therefore they are not eligible for ER,A funding.

This site is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

Explosives

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA

CURRENT IRP PHASE:

Response Complete - 1987

FTSH-28 AMMO STORAGE (BLDG 298)

SITE DESCRIPTION

This site is located within the southwest portion of FTSH and is designated as Ammo Storage at Building 298 in AEDB-R. This building was used to store unused ammunition and other ordnance.

There is no knowledge of any release to the environment.

This site is response complete under the IRP.

STATUS

RRSE RATING:

Not Evaluated

CONTAMINANTS OF CONCERN:

Explosives

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA

CURRENT IRP PHASE:

Response Complete - 1987

Fort Sam Houston

OTHER SITES NOT IN AEDB-R

PERSHING FIELD

SITE DESCRIPTION

This site is located in the east-central portion of FTSH. It currently does not have a AEDB-R designation. The field encompasses approximately 30 acres and is primarily used for training purposes.

Explosives have been detonated at the field as part of ongoing training exercises.

Eleven surface soil samples were taken during the PA/SI that was conducted in 1998. Metals and explosives were detected above maximum background concentrations.

This site is currently inactive. Tentatively, FSH's future plan is to develop this site for Family Housing or other residential use.

Due to future land use, there may be a need for further investigation. An evaluation will be made at that time whether to include in AEDB-R.

STATUS

CONTAMINANTS OF CONCERN:

Lead, Explosives

MEDIA OF CONCERN:

Soil, Groundwater, Surface Water

COMPLETED PHASE:

PA/SI

CURRENT PHASE:

None

FUTURE PHASE:

RI

ACID TANK BUILDING 2840

SITE DESCRIPTION

Building 2840 is located within the northwest portion of FTSH. There are two acid neutralization tanks located at this building for use in the adjacent medical training facility. Classroom laboratory sinks drain into these tanks, which neutralize the acid with lime, before discharging into the nearby sanitary sewer system.

Nine subsurface soil samples were taken during the PA/SI that was conducted in 1998. Metals, SVOCs, and pesticides were detected above maximum background concentrations.

This building is currently active. The additional information requested by the TNRCC was provided in the NOD response report dated October 3, 2000.

There is no plan to further investigate this site, however the TNRCC may request additional work be performed. A determination will be made at that time whether to include in AEDB-R.

STATUS

CONTAMINANTS OF CONCERN:

Metals, SVOCs, Pesticides

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED PHASE:

PA/SI

CURRENT PHASE:

Response Complete

FUTURE PHASE:

Unknown

FIRE TRAINING AREA BUILDING 3826

SITE DESCRIPTION

The Fire Training Area, Building 3826, is located within the southeast central portion of FTSH. It consists of a four story concrete block building and concrete slab, which is periodically used for fire-fighting training and rescue operations. This training area measures approximately 250 x 250 feet and is surrounded by a locked chain-linked fence.

Seven surface soil samples were taken during the PA/SI that was conducted in 1998. Metals were detected above maximum background concentrations.

This site is currently an active training area.

There is no current plan for further investigation of this site. In the event that FSH ceases training operations at this facility, demolition may be required. An evaluation will be made at that time whether to further investigate the site and its eligibility for ER,A funding.

STATUS

CONTAMINANTS OF CONCERN:

Metals

MEDIA OF CONCERN:

Soil

COMPLETED PHASE:

PA/SI

CURRENT PHASE:

None

FUTURE PHASE:

Unknown

HAZARDOUS WASTE STORAGE AREA BUILDING 4226

SITE DESCRIPTION

The Hazardous Waste Storage Area, Building 4226, is located in the southern portion of FTSH. It was being used as a hazardous waste interim storage facility for FTSH. The facility measures approximately 30 x 60 feet with a chain-linked fence topped with barbed wire. When in-use, hazardous waste was stored on concrete and bermed slab.

Six surface soil samples were taken during the PA/SI that was conducted in 1998. Pesticides, metals, and SVOCs were detected above maximum background concentrations.

This building was demolished in 2000. Additional soil sampling was performed in response to the TNRCC letter dated November 29, 2000, and results provided to the TNRCC in February 2001.

There is no plan to further investigate this site. However, if the TNRCC requires additional work, a determination will be made at that time whether to include the site in AEDB-R.

STATUS

CONTAMINANTS OF CONCERN:

Pesticides, Metals, SVOCs

MEDIA OF CONCERN:

Soil

COMPLETED PHASE:

PA

CURRENT PHASE:

None

FUTURE PHASE:

Unknown

FORMER MEDICAL WASTE INCINERATOR BUILDING 3824

SITE DESCRIPTION

The Former Medical Waste Incinerator, Building 3824 is located within the southeast-central portion of FSH. This site consisted of an abandoned office and a concrete structure where two incinerators once operated. This site is currently enclosed by a chain-linked fence.

Records indicate that the incinerator operated from 1976 until 1991 and included medical waste from operating rooms and laboratories. The ash was disposed of at an off-site facility. The facility was later used to treat, by thermal desorption, POL-contaminated soil from UST locations.

Seven surface soil and eleven sub-surface soil samples were taken during the PA/SI that was conducted in 1998. Metals were detected at concentrations above the soil to groundwater Tier 1 PCL. None of the metals were detected above the total combined soil Tier 1 PCL.

The incinerator was demolished in 1999 and based on the results of the PA/SI, FSH is recommending NFA for this site.

There is no plan to further investigate this site. However, if the TNRCC requires additional work, a determination will be made at that time whether to include the site in AEDB-R.

STATUS

CONTAMINANTS OF CONCERN:

TPH, Metals, SVOCs

MEDIA OF CONCERN:

Soil

COMPLETED PHASE:

PA/SI

CURRENT PHASE:

None

FUTURE PHASE:

Unknown

PAST MILESTONES

1980

Received RCRA Hazardous Waste Part A Permit, November 1980

1982

Installation Assessment for Ft Sam Houston and Camp Bullis was performed

1984

Received a letter from the Texas Department of Health on February 3, terminating FSH's interim status

1987

Inception year of Installation Restoration Program

1989

Site Assessment Report for Building 330 was prepared
RA of USTs at FTSH-19, Fuel Storage

1990

Confirmation study on Pesticide Storage Building 1134.

1991

Site Assessment at FTSH-02, Transportation Motor Pool

1992

An environmental site survey was performed at FTSH-14, Building 1874
Contamination assessment study at Soil Remediation Site, Building 3824
Completed RA at FTSH-06, Parkerization
RA of USTs at FTSH-20, FTSH-21 and FTSH-22, Fuel Storage

1993

RA of USTs and installation of new USTs at FTSH-23, Fuel Storage (Bldg 2610) was performed

1994

Completed REM/RA on FTSH-06, FTSH-15, and FTSH-23
Oil and Hazardous Substances Emergency Contingency Plan prepared
Oil and grease trap sampling and evaluation
Performed Landfill assessment at Fort Sam Houston and Camp Bullis

1995

Completed REM/RA on FTSH-14
Assessment and Evaluation of FTSH-15, PCB Storage Area, the Mercury Spill at the WTP, Hazardous Waste Storage Area Building 4226, Medical Incinerator, 2500 Block buildings, and oil/water separator needs for Ft Sam Houston and PQL sites.
Completed and submitted the Fort Sam Houston and Camp Bullis Landfill Assessment Report
Pollution Prevention Plan submitted
Began building removals in the 2500 area, FTSH-01

1996

Groundwater Monitoring and quarterly results report for Ft Sam Houston was prepared

PAST MILESTONES

Preliminary Assessment of the Pershing Firing Range and EOD area

1997

Performed the Facility-Wide PA/SI

Radioactive Waste survey performed on FTSH-17 and FTSH-18 buildings

1998

PA/SI report was finalized and submitted

1999

Received No Further Remedial Action is planned under Superfund letter dated June 16, 1999

Completed Remedial Action on FTSH-13, Pershing Firing Range

UXO and geophysical survey at EOD area, Landfill 8B

Commenced RA fieldwork at FTSH-26, Landfill 10

2000

Received a Notice of Deficiency - July 5, 2000, FSH response package dated October 3, 2000

Received a Notice of Violation – August 18, 2000

Performed additional soil sampling at Building 4226 in response to TNRCC letter dated November 29, 2000

Exploratory trenching was completed in June 2000 for remedial investigation and design purposes on Landfills 2, 3, 4A, 4B, 5, 6, 7 and 8A

Complete RA fieldwork at FTSH-26, Landfill 10 and 12

Limited surface debris removal at Landfill 4A and installed erosion control measures at Landfill 6 and 7

Performed Site Characterization in June 2000 and submitted an APAR in December 2000 on Landfill 8B.

2001

Submitted the Additional Confirmation Sampling Report Addendum to Remedial Action Report Soil Removal Pershing Firing Range Remediation.

Submitted Draft APAR documents on Landfills 10 and 12 in June 2001.

2002

Submitted Final APAR documents on Landfills 10 and 12 to TNRCC.

NO FURTHER ACTION

The following sites currently require no further action:

FTSH-01, Motor Pool (Bldgs 2510, 2511, 2512)
FTSH-06, Parkerization (Bldg 371)
FTSH-07, Printing (Bldg 230)
FTSH-13, Pershing Range (Pistol), Bldg 3500
FTSH-14, Pesticide Storage (Bldg 1874)
FTSH-15, PCB Storage (Bldg 1171)

The following sites are not ER,A eligible and require no further action at this time:

FTSH-02, Trans BR Motor Pool
FTSH-03, Texas National Guard Motor Pool (Bldg 3451)
FTSH-04, USAR Vehicle Maintenance Area (Bldg 1522)
FTSH-05, Heliport
FTSH-08, Photo Laboratory (Bldg 2000, 1031, 2376, 1450)
FTSH-10, Laboratory Operations (Bldg 2840, 2841, 2630, 2657)
FTSH-11, Laboratory Operations (Bldg 2653, 2354, 2655, 2375)
FTSH-12, Ranges (Indoor, Bldg 605A, 66A)
FTSH-17, Radiological Waste Storage (Bldg 238, 1000, 1029, 1126)
FTSH-18, Radiological Waste Storage (Bldg 2376,2630,2653)
FTSH-19, Fuel Storage (Bldg 16, 1000, 2190)
FTSH-20, Fuel Storage (Bldg 2380, 2428, 2429)
FTSH-21, Fuel Storage (Bldg 3520, 2912, 3002, 3880)
FTSH-22, Fuel Storage (Bldg 1147, 1148, 1384, 1982)
FTSH-23, Fuel Storage (Bldg 2610)
FTSH-27, Ammunition Storage (Bldg 4112,4113,4114,4124,4125)
FTSH-28, Ammunition Storage (Bldg 298)

Ft Sam Houston IAP Schedule

(Based on the Cost to Complete current funding constraints)

#	SITE NAME	PHASE	FY05	FY06	FY07	FY08	FY09	FY10+
FTSH-26	Landfills 8A, 8B, 10, 12	LTM						
FTSH-29	Landfills 4A, 6, and 7	RI/FS						
		LTM						
FTSH-30	Landfills 2, 3, 4B, and 5	RA						
		LTM						

Remediation Activities

COMPLETED REM/IRA/ RA:

Remedial Action at FTSH-06, Parkerization
Remedial Action at FTSH-14, Pesticide Storage
Remedial Action at FTSH-15, PCB Storage Area
Remedial Action at FTSH-19, Fuel Storage
Remedial Action at FTSH-20, Fuel Storage
Remedial Action at FTSH-21, Fuel Storage
Remedial Action at FTSH-22, Fuel Storage
Remedial Action at FTSH-23, Fuel Storage
Removal Action at FTSH-13, Pershing Firing Range
Removal Action at FTSH-26, Landfill 10
Removal Action at FTSH-26, Landfill 12

CURRENT REM/IRA/RA:

RA at FTSH-30

FUTURE REM/IRA/RA:

None

Community Involvement

RESTORATION ADVISORY BOARD (RAB) STATUS

Currently there is no organized community involvement for Fort Sam Houston. In the past, the Public Affairs Office, which is the proponent for establishing a RAB, determined that a RAB was not necessary. However, due to recent developments, FSH is evaluating community involvement options and will take the appropriate measures to ensure that it meets CERCLA requirements for public involvement during IRP investigations and cleanup actions.